

Amendments to the Claims

This listing of claims replaces the single independent claim that was allowed in the parent patent application.

Listing of Claims:

1. (New) A marine hull, comprising:

a hull with a bow comprising a plurality of adjacent channels adapted to mix air and water to reduce impact and suction between the hull and water while the marine vehicle moves through the water.

2. (New) The marine vehicle of claim 1 wherein the channels are adapted to channel air and reduce suction under the hull.

3. (New) The marine vehicle of claim 1 wherein the channels are parallel.

4. (New) The marine vehicle of claim 1 wherein the channels have elongated configuration that extends under the hull.

5. (New) The marine vehicle of claim 1 wherein air flows through the channels and under the hull to reduce suction under the hull.

6. (New) The marine vehicle of claim 1 wherein the channels are adapted to divide water and form compressible fluid to absorb shock imparted on the bow while the marine vehicle moves through the waters.

7. (New) The marine vehicle of claim 1 wherein the hull has a non-curved surface.

8. (New) The marine vehicle of claim 1 wherein the hull has a rectangular shape.

9. (New) The marine vehicle of claim 1 wherein the channels are located below the hull line of the hull.

10. (New) The marine vehicle of claim 1 wherein the channels terminate in a cavity between the bow and the said channels to impart further mixing of air and water and equalize uneven pressure from uneven wave formation against the diffuser.

11. (New) The marine vehicle of claim 1 wherein the diffuser plates and shapes are made hollow and a means of circulating engine coolant is used to impart heat exchange with the wave and wave and gas mixture.